

UPDATED EAST SEARCH HISTORY CASE 10/822,414

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| S1 | 213 | plurality with (mirror\$1 or micromirror\$1) with focal with length | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/09 14:05 |
| S2 | 223 | plurality with (mirror\$1 or micromirror\$1) with (focal adj length\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:05 |
| S3 | 22 | plurality with (mirror\$1 or micromirror\$1) with (focal adj length\$1) with chang\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 08:45 |
| S4 | 32 | plurality with (mirror\$1 or micromirror\$1) with (focal adj length\$1) with (chang\$3 or adjust\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/25 19:04 |
| S5 | 1 | "20020041445" | US-PGPUB | OR | OFF | 2004/11/27 08:52 |
| S6 | 1 | S5 and (film with plurality) | US-PGPUB | OR | OFF | 2004/11/25 19:04 |
| S7 | 9703 | electrothermal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:57 |
| S8 | 1 | electrothermal with control\$4 with (mirror\$1 or micromirror\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 08:57 |
| S9 | 1 | electrothermal with bend\$3 with (mirror\$1 or micromirror\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 08:47 |
| S10 | 1 | "20020041445" | US-PGPUB | OR | OFF | 2004/11/27 08:52 |
| S11 | 1 | "20020102102" | US-PGPUB | OR | OFF | 2004/11/27 08:53 |
| S12 | 0 | S11 and (micromirror\$1) | US-PGPUB | OR | OFF | 2004/11/27 08:53 |
| S13 | 1 | S11 and (mirror\$1) | US-PGPUB | OR | OFF | 2004/11/27 08:53 |

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|-----|------|--|---|----|-----|------------------|
| S14 | 1 | S11 and (reflect\$3) | US-PGPUB | OR | OFF | 2004/11/27 08:54 |
| S15 | 1 | S11 and (reflect\$3 same mirror\$1 same metal\$1) | US-PGPUB | OR | OFF | 2004/11/27 08:56 |
| S16 | 0 | S11 and (reflect\$3 same mirror\$1 same dielectric\$2) | US-PGPUB | OR | OFF | 2004/11/27 08:57 |
| S17 | 8452 | dielectric with (mirror\$1 or micromirror\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 08:57 |
| S18 | 8 | dielectric with micromirror\$1 with surface | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 09:02 |
| S19 | 1 | micromirror\$1 with multi\$3 with layer\$2 with dielectric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:35 |
| S20 | 105 | micromirror\$1.ti. | USPAT | OR | OFF | 2004/11/27 10:36 |
| S21 | 1 | S20 and (jack with dinh) | USPAT | OR | OFF | 2004/11/27 10:56 |
| S22 | 1529 | (359/290,291,295,298).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:02 |
| S23 | 826 | (359/225,226,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:56 |
| S24 | 1026 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:57 |
| S25 | 289 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:57 |

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| S26 | 781 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:57 |
| S27 | 4354 | S22 or S23 or S24 or S25 or S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:57 |
| S28 | 214 | plurality with (mirror\$1 or micromirror\$1) with focal with length | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:58 |
| S29 | 6 | S27 and S28 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/27 10:58 |
| S30 | 2707 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/09 14:04 |
| S31 | 1030 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:03 |
| S32 | 290 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:03 |
| S33 | 802 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:03 |

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| S34 | 4823 | S30 or S31 or S32 or S33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:14 |
| S35 | 52072 | (mirror\$1 or micromirror\$1) with ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:06 |
| S36 | 4134 | (mirror\$1 or micromirror\$1) same ((focal adj length\$1) or focus\$3) same phase\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:13 |
| S37 | 150598 | (mirror\$1 or micromirror\$1 or reflect\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:08 |
| S38 | 7714 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:09 |
| S39 | 126 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3 with translat\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:10 |
| S40 | 4 | S39 and S34 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:15 |
| S41 | 113 | S34 and S36 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:12 |

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| S42 | 54 | (mirror\$1 or micromirror\$1) same ((focal adj length\$1) or focus\$3) same phase\$1 same fresnel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/03/10 21:13 |
| S43 | 3 | ("5986811") or ("4834512") or ("6111900").PN. | USPAT; USOCR | OR | OFF | 2005/04/08 14:13 |
| S44 | 2746 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:14 |
| S45 | 1030 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:14 |
| S46 | 290 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:14 |
| S47 | 805 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:14 |
| S48 | 4865 | S44 or S45 or S46 or S47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 19:49 |
| S49 | 4865 | S44 or S45 or S46 or S47 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:15 |
| S50 | 126 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3 with translat\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 14:15 |

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| S51 | 4 | S50 and S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S52 | 997 | imag\$3 same (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with (two or three)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/13 16:32 |
| S53 | 244 | imaging\$1 same (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with (two or three)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/08 19:54 |
| S54 | 20 | imaging\$1 same (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with two with three) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/13 16:32 |
| S55 | 896 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (two or three)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/12 21:23 |
| S56 | 314 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (two or three) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/12 21:24 |
| S57 | 130 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (three) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/12 21:24 |
| S58 | 204 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (two) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/12 21:24 |

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| S59 | 14 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with two with three with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/12 21:24 |
| S60 | 62 | (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with two with three with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/13 16:48 |
| S61 | 16 | ((micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) with focus\$3) same (dimension\$2 with two with three) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/13 17:58 |
| S62 | 14 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with two with three with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/13 16:48 |
| S63 | 1 | ("6798560").PN. | USPAT; USOCR | OR | OFF | 2005/04/29 18:01 |
| S64 | 3 | (("6111900") or ("4834512") or ("5986811")).PN. | USPAT; USOCR | OR | OFF | 2005/04/29 19:15 |
| S65 | 5 | ((("6111900") or ("4834512") or ("5986811") or ("2002376"))).PN. | USPAT; USOCR | OR | OFF | 2005/04/29 19:16 |
| S66 | 1 | "20020102102" | US-PGPUB; USPAT | OR | OFF | 2005/04/29 19:16 |
| S67 | 7 | auxiliary with lens\$2 with focal with length with together | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/29 23:50 |
| S68 | 2768 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S69 | 1031 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |

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| S70 | 290 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S71 | 807 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S72 | 4890 | S68 or S69 or S70 or S71 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S73 | 126 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3 with translat\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S74 | 4 | S73 and S72 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/04/30 00:16 |
| S75 | 3013 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/09 14:04 |
| S76 | 276 | S75 and @pd>="20050401" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/09 14:05 |
| S77 | 909 | (three with dimension\$2 with imag\$3).ti. | USPAT | OR | OFF | 2006/01/30 22:27 |
| S78 | 98 | (three with two with dimension\$2 with imag\$3).ti. | USPAT | OR | OFF | 2006/01/30 22:22 |
| S79 | 20 | (three with two with dimension\$2 with imaging).ti. | USPAT | OR | OFF | 2006/01/30 22:21 |
| S80 | 0 | S78 and micromirror\$1 | USPAT | OR | OFF | 2006/01/30 22:23 |
| S81 | 8 | S77 and micromirror\$1 | USPAT | OR | OFF | 2006/01/30 22:27 |

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| S82 | 392 | (two with dimension\$2 with imag\$3).ti. | USPAT | OR | OFF | 2006/01/30 22:27 |
| S83 | 2 | S82 and micromirror\$1 | USPAT | OR | OFF | 2006/01/30 22:27 |
| S84 | 284 | plurality with (mirror\$1 or micromirror\$1) with focal with length | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S85 | 294 | plurality with (mirror\$1 or micromirror\$1) with (focal adj length\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S86 | 36 | plurality with (mirror\$1 or micromirror\$1) with (focal adj length\$1) with chang\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S87 | 46 | plurality with (mirror\$1 or micromirror\$1) with (focal adj length\$1) with (chang\$3 or adjust\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S88 | 1 | "20020041445" | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S89 | 1 | S88 and (film with plurality) | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S90 | 11002 | electrothermal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S91 | 9 | electrothermal with control\$4 with (mirror\$1 or micromirror\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S92 | 1 | electrothermal with bend\$3 with (mirror\$1 or micromirror\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S93 | 1 | "20020041445" | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S94 | 1 | "20020102102" | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S95 | 0 | S94 and (micromirror\$1) | US-PGPUB | OR | OFF | 2006/01/31 18:41 |

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| S96 | 1 | S94 and (mirror\$1) | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S97 | 1 | S94 and (reflect\$3) | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S98 | 1 | S94 and (reflect\$3 same mirror\$1 same metal\$1) | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S99 | 0 | S94 and (reflect\$3 same mirror\$1 same dielectric\$2) | US-PGPUB | OR | OFF | 2006/01/31 18:41 |
| S100 | 9755 | dielectric with (mirror\$1 or micromirror\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S101 | 21 | dielectric with micromirror\$1 with surface | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S102 | 9 | micromirror\$1 with multi\$3 with layer\$2 with dielectric | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S103 | 149 | micromirror\$1.ti. | USPAT | OR | OFF | 2006/01/31 18:41 |
| S104 | 5 | S103 and (jack with dinh) | USPAT | OR | OFF | 2006/01/31 18:41 |
| S105 | 1981 | (359/290,291,295,298).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S106 | 925 | (359/225,226,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S107 | 1034 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |

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| S10 8 | 293 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S10 9 | 843 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 0 | 4948 | S105 or S106 or S107 or S108 or S109 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 1 | 284 | plurality with (mirror\$1 or micromirror\$1) with focal with length | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 2 | 16 | S110 and S111 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 3 | 3174 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 4 | 1034 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 5 | 293 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |

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| S11 6 | 843 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 7 | 5338 | S113 or S114 or S115 or S116 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 8 | 55819 | (mirror\$1 or micromirror\$1) with ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S11 9 | 4455 | (mirror\$1 or micromirror\$1) same ((focal adj length\$1) or focus\$3) same phase\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S12 0 | 162453 | (mirror\$1 or micromirror\$1 or reflect\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S12 1 | 8103 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:41 |
| S12 2 | 132 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3 with translat\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S12 3 | 5 | S122 and S117 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |

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| S12 4 | 144 | S117 and S119 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S12 5 | 60 | (mirror\$1 or micromirror\$1) same ((focal adj length\$1) or focus\$3) same phase\$1 same fresnel | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S12 6 | 3 | (("5986811") or ("4834512") or ("6111900")).PN. | USPAT; USOCR | OR | OFF | 2006/01/31 18:42 |
| S12 7 | 3174 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S12 8 | 1034 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S12 9 | 293 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 0 | 843 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 1 | 5338 | S127 or S128 or S129 or S130 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 2 | 5338 | S127 or S128 or S129 or S130 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |

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|----------|------|--|--|----|-----|------------------|
| S13 3 | 132 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3 with translat\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 4 | 5 | S133 and S132 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 5 | 1205 | imag\$3 same (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with (two or three)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 6 | 299 | imaging\$1 same (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with (two or three)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 7 | 23 | imaging\$1 same (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with two with three) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 8 | 1126 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (two or three)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S13 9 | 376 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (two or three) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S14 0 | 153 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (three) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |

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|-------|------|--|--|----|-----|------------------|
| S14 1 | 253 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with (two) with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 19:28 |
| S14 2 | 22 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with two with three with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S14 3 | 75 | (micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) same (dimension\$2 with two with three with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S14 4 | 23 | ((micromirror\$1 or microlens\$2 or (micro adj lens\$2) or (micro adj mirror\$1)) with focus\$3) same (dimension\$2 with two with three) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S14 5 | 22 | (micromirror\$1 or (micro adj mirror\$1)) same (dimension\$2 with two with three with imag\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S14 6 | 1 | ("6798560").PN. | USPAT; USOCR | OR | OFF | 2006/01/31 18:42 |
| S14 7 | 3 | (("6111900") or ("4834512") or ("5986811")).PN. | USPAT; USOCR | OR | OFF | 2006/01/31 18:42 |
| S14 8 | 5 | ((("6111900") or ("4834512") or ("5986811") or ("2002376"))).PN. | USPAT; USOCR | OR | OFF | 2006/01/31 18:42 |
| S14 9 | 1 | "20020102102" | US-PGPUB; USPAT | OR | OFF | 2006/01/31 18:42 |
| S15 0 | 9 | auxiliary with lens\$2 with focal with length with together | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 1 | 3174 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |

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|----------|------|--|---|----|-----|------------------|
| S15 2 | 1034 | (396/89).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 3 | 293 | (40/582).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 4 | 843 | (372/22).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 19:22 |
| S15 5 | 5338 | S151 or S152 or S153 or S154 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 6 | 132 | ((mirror\$1 or micromirror\$1 or reflect\$3) with rotate\$3 with translat\$3) same ((focal adj length\$1) or focus\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 7 | 5 | S156 and S155 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 8 | 3174 | (359/290,291,295,298,225,226, 625,626,846).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:42 |
| S15 9 | 437 | S158 and @pd>="20050401" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 18:46 |
| S16 0 | 911 | (three with dimension\$2 with imag\$3).ti. | USPAT | OR | OFF | 2006/01/31 18:42 |
| S16 1 | 98 | (three with two with dimension\$2 with imag\$3).ti. | USPAT | OR | OFF | 2006/01/31 18:42 |

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|----------|-----|---|---|----|-----|------------------|
| S16 2 | 20 | (three with two with dimension\$2 with imaging).ti. | USPAT | OR | OFF | 2006/01/31 18:42 |
| S16 3 | 0 | S161 and micromirror\$1 | USPAT | OR | OFF | 2006/01/31 18:42 |
| S16 4 | 8 | S160 and micromirror\$1 | USPAT | OR | OFF | 2006/01/31 18:42 |
| S16 5 | 392 | (two with dimension\$2 with imag\$3).ti. | USPAT | OR | OFF | 2006/01/31 18:42 |
| S16 6 | 2 | S165 and micromirror\$1 | USPAT | OR | OFF | 2006/01/31 18:42 |
| S16 7 | 171 | S158 and @pd>="20051001" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 19:21 |
| S16 8 | 721 | ((359/721,627) or (345/6)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/01/31 19:24 |

INTERFERENCE EAST SEARCH CASE NO 10/822,414

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------|------------------|---------|------------------|
| L1 | 3 | ((micromirror\$1 or (micro adj mirror\$1)) with dimension\$2 with two with three with imag\$3).clm. | US-PGPUB | OR | OFF | 2006/01/31 19:40 |

Search Results Case No. 10/822,414

| | | | |
|-------------------|----------|---|---------|
| US 4834512 A | USPAT | Three-dimensional display | 345/6 |
| US 5173603 A | USPAT | Focus changing apparatus and method for optical scanners | 250/236 |
| US 5285314 A | USPAT | Superzone holographic mirror | 359/565 |
| US 5446754 A | USPAT | Phased array semiconductor laser | 372/50 |
| US 5717453 A | USPAT | Three dimensional imaging system | 348/46 |
| US 5986811 A | USPAT | Method of and apparatus for generating a 3-D image from a 2-D image having a changeable focusing micro-lens array | 359/626 |
| US 6014259 A | USPAT | Three dimensional imaging system | 359/619 |
| US 6111900 A | USPAT | Solid-state laser apparatus and method with second harmonic wave features | 372/22 |
| US 6178043 B1 | USPAT | Multiview three-dimensional image display system | 359/462 |
| US 6215579 B1 | USPAT | Method and apparatus for modulating an incident light beam for forming a two-dimensional image | 359/298 |
| US 6437920 B1 | USPAT | Three Dimensional imaging system | 359/626 |
| US 6481872 B1 | USPAT | Astral lamp | 362/297 |
| US 6603504 B1 | USPAT | Multiview three-dimensional image display device | 348/54 |
| US 6618209 B2 | USPAT | Optical apparatus | 359/676 |
| US 6658208 B2 | USPAT | Focal-length adjusting unit for photographing apparatuses | 396/89 |
| US 2002376 A | USOCR | Searchlight reflector | 40/582 |
| US 20020041445 A1 | US-PGPUB | Optical apparatus | 359/627 |
| US 20020102102 A1 | US-PGPUB | Focal-length adjusting unit for photographing apparatuses | 396/89 |
| US 20020114077 A1 | US-PGPUB | Integral three-dimensional imaging with digital reconstruction | 359/618 |
| US 20020114078 A1 | US-PGPUB | Resolution modulation in microlens image reproduction | 359/619 |
| US 20020159156 A1 | US-PGPUB | Three dimensional imaging system | 359/626 |
| US 20040070843 A1 | US-PGPUB | Optical apparatus | 359/676 |
| US 20040141237 A1 | US-PGPUB | Three dimensional imaging system | 359/626 |
| US 20040190817 A1 | US-PGPUB | Multi-tilt micromirror systems with concealed hinge structures | 385/18 |
| US 20050180019 A1 | US-PGPUB | Three-dimensional integral imaging and display system using variable focal length lens | 359/626 |

NPL SEARCH (INSPEC) HISTORY CASE 10/822,414

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| 2 | INZZ | (micromirror\$1 OR micro ADJ mirror\$1) SAME dimension\$2 SAME two SAME three SAME imag\$3 | unrestricted | 9 | show titles |
| 3 | INZZ | (micromirror\$1 OR micro ADJ mirror\$1) SAME dimension\$2 SAME two SAME three SAME imag\$3 SAME phas\$3 | unrestricted | 3 | show titles |

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